

BRUHATH BANGALORE MAHANAGARA PALIKE

MODIFIED BILL OF QUANTITIES (BOQ)

Name of Work :- Construction of CC Road, RCC drain and RCC culvert in Someshwara Layout and surrounding area at Kattigenahalli in Ward No.05

Sl.No.	Modified Estimate Approved Qty	Description	Unit	Issued to	
				Technical Manager, KRIDL	
				In Figures	In Words
1	1333.88	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil involving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification As per Engineer In-Charge	Cum	137.80	Rupees One Hundred Thirty Seven And Paise Eighty Only
2	262.33	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. As per Engineer In-Charge	Cum	5509.33	Rupees Five Thousand Five Hundred Nine And Paise Thirty Three Only
3	304.13	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm As per Engineer In-Charge	Cum	7189.42	Rupees Seven Thousand One Hundred Eighty Nine And Paise Forty Two Only
4	20.29	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. As per Engineer In-Charge	Tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six And Paise Ninety Eight Only
5	708.57	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.(Data Rate) As per Engineer In-Charge	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Signature of the Contractor

Executive Engineer (Bitarayana Division)

6	55.65	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to IS9103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for l joints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate) As per Engineer In-Charge	Sqm	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
7	737.30	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.As per Engineer In-Charge	Sqm	6.36	Rupees Six And Paise Thirty Six Only
8	110.60	Wet Mix Macadam Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. As per Engineer In-Charge	Cum	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only
9	110.11	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggretes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) As per Engineer In-Charge	Cum	5354.02	Rupees Five Thousand Three Hundred Fifty Four And Paise Two Only


 EXECUTIVE ENGINEER-4
 KRIDL BBMP DIVISION
 BENGALURU-560 010


 ಕಾರ್ಯದರ್ಶಿ ಕಛೇರಿ
 ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
 ಬೆಂಗಳೂರು-560002

10	737.30	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	72.08	Rupees Seventy Two And Paise Eight Only
EIRL-1	110.60	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. As per Engineer In-Charge	Cum	952.94	Rupees Nine Hundred Fifty Two And Paise Ninety Four Only
EIRL-2	666.94	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specification As per Engineer In-Charge	Cum	217.08	Rupees Two Hundred Seventeen And Paise Eight Only

- 1 The Work Should be executed as per the specification and standard specified by the PWD & Other Specifications of the Bangalore Mahanagara Palike and as directed.
- 2 The Work should be carried out as per the directions and instructions of the concerned Engineer.
- 3 The Contractor Should Maintain the Quantity of Work as per the Standard Specification.


EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010


Executive Engineer (Byatarayanapura)
Brunath Bangalore Mahanagara Palike
Byatarayanapura
560092

I am prepared to take up the above work at the rates quoted by me in the Schedule B